Figure 1

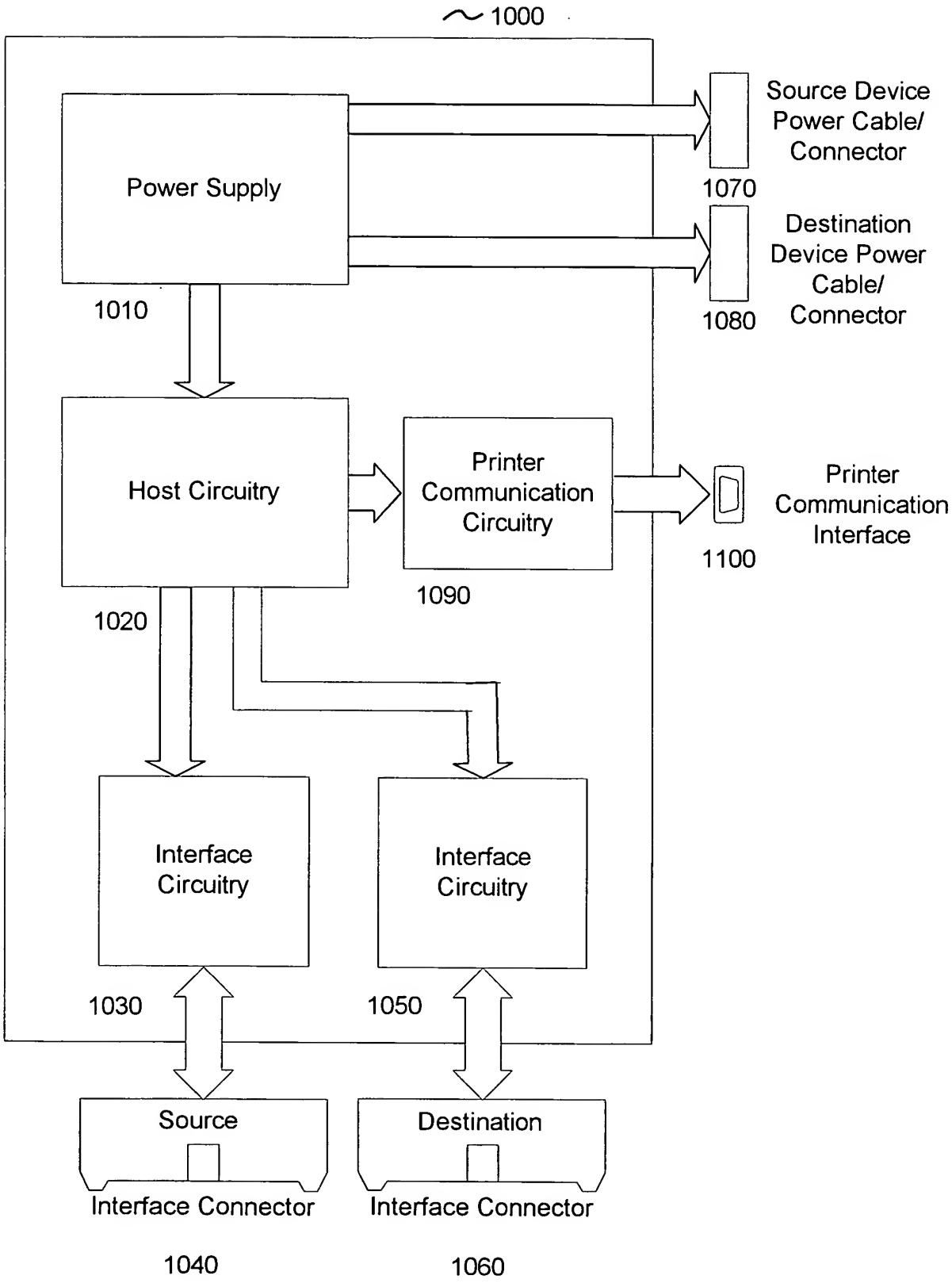
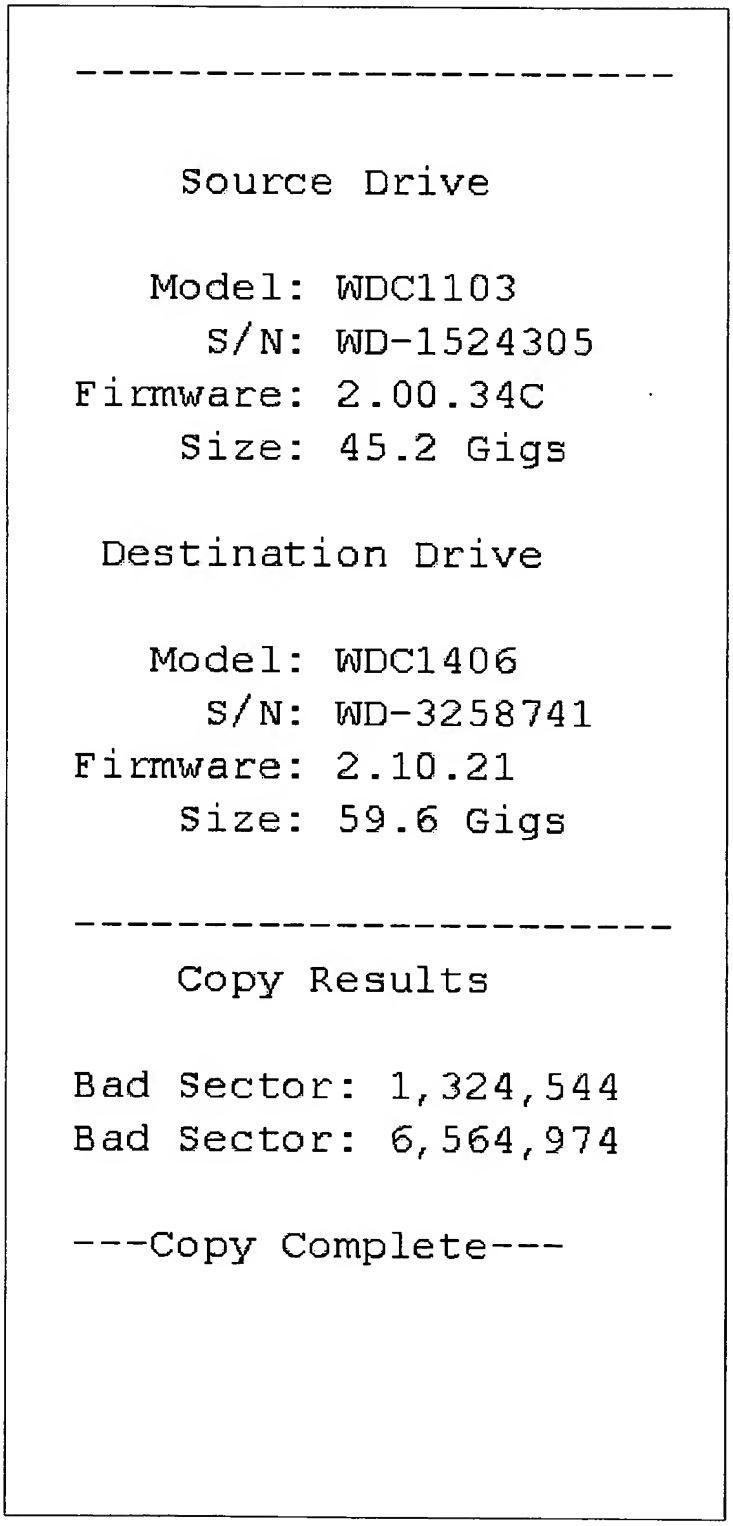

1000
Power Supply
1010
Source Device Power Cable/ Connector
1070
Destination Device Power Cable/ Connector
1080
Host Circuitry
1020
Printer Communication Circuitry
1090
Printer Communication Interface
1100
Interface Circuitry
1030
Interface Circuitry
1050
Source
Interface Connector
1040
Destination
Interface Connector
1060

Figure 2

Printout Example



```
----------------------

    Source Drive

   Model: WDC1103
     S/N: WD-1524305
Firmware: 2.00.34C
    Size: 45.2 Gigs

 Destination Drive

   Model: WDC1406
     S/N: WD-3258741
Firmware: 2.10.21
    Size: 59.6 Gigs

-----------------------
    Copy Results

Bad Sector: 1,324,544
Bad Sector: 6,564,974

---Copy Complete---
```

Figure 3

Drive Copy Logic

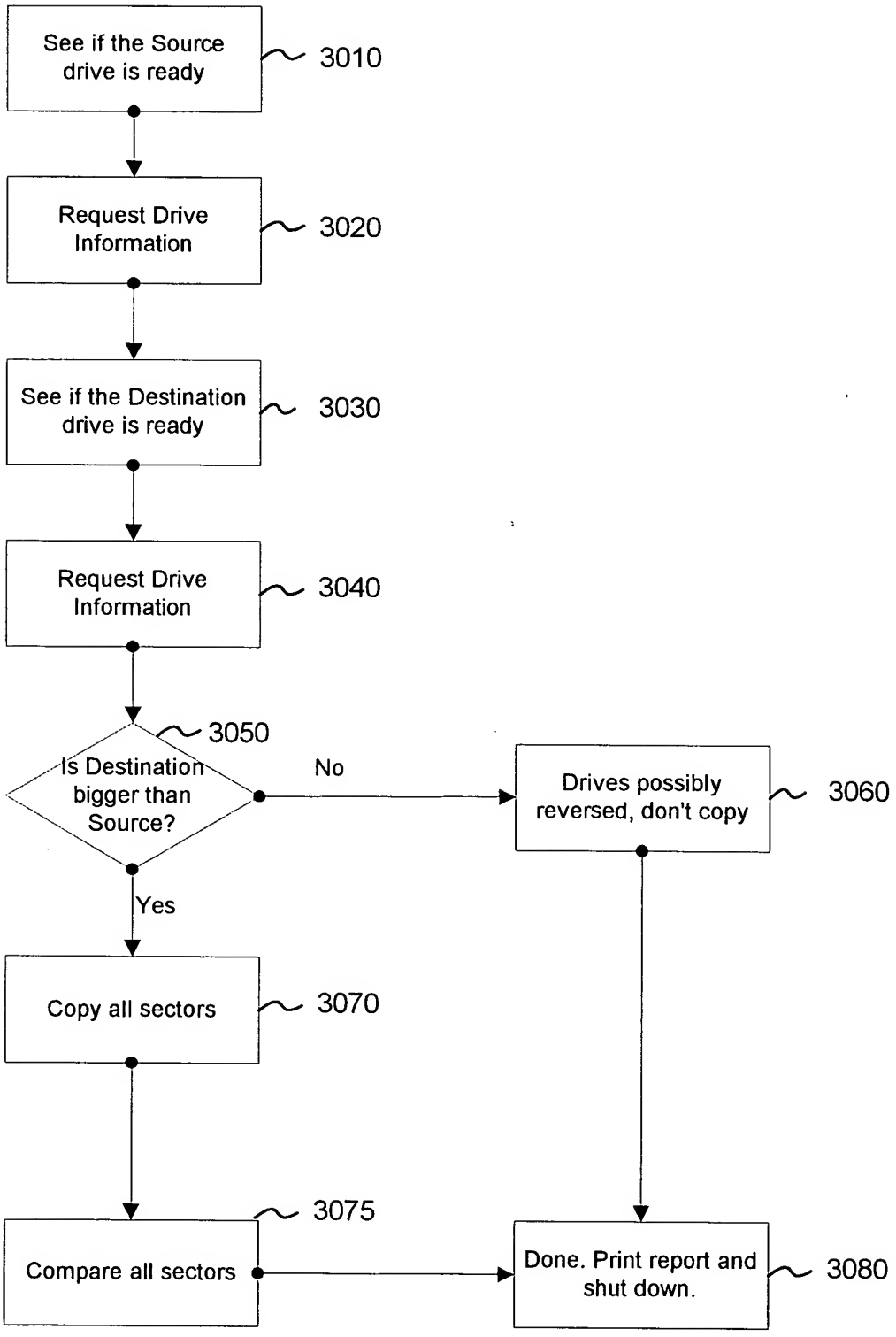


Figure 4

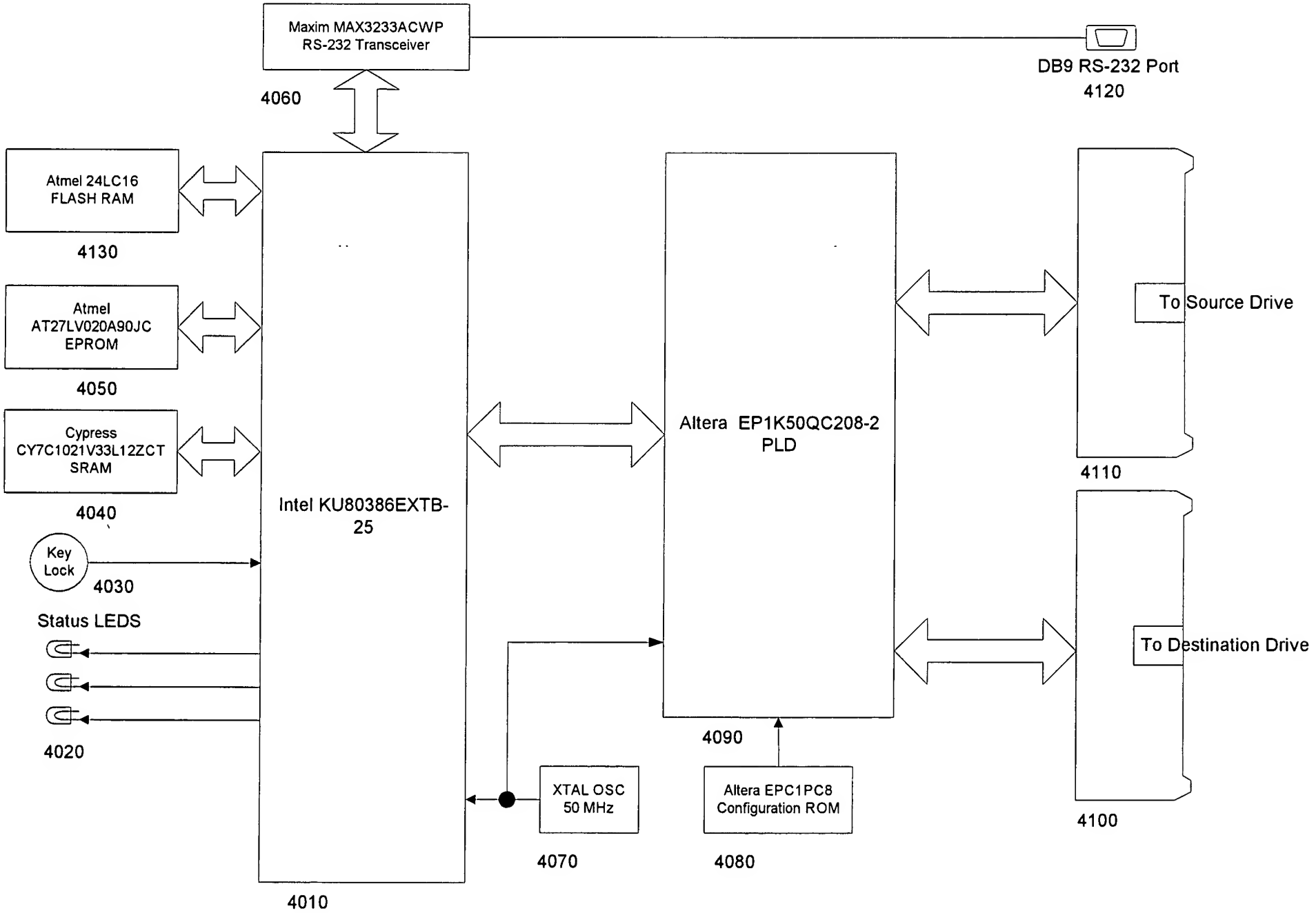

Maxim MAX3233ACWP
RS-232 Transceiver
4060
DB9 RS-232 Port
4120
Atmel 24LC16
FLASH RAM
4130
Atmel
AT27LV020A90JC
EPROM
4050
Cypress
CY7C1021V33L12ZCT
SRAM
4040
Key
Lock
4030
Status LEDS
4020
Intel KU80386EXTB-
25
4010
Altera EP1K50QC208-2
PLD
4090
To Source Drive
4110
To Destination Drive
4100
XTAL OSC
50 MHz
4070
Altera EPC1PC8
Configuration ROM
4080

Figure 5

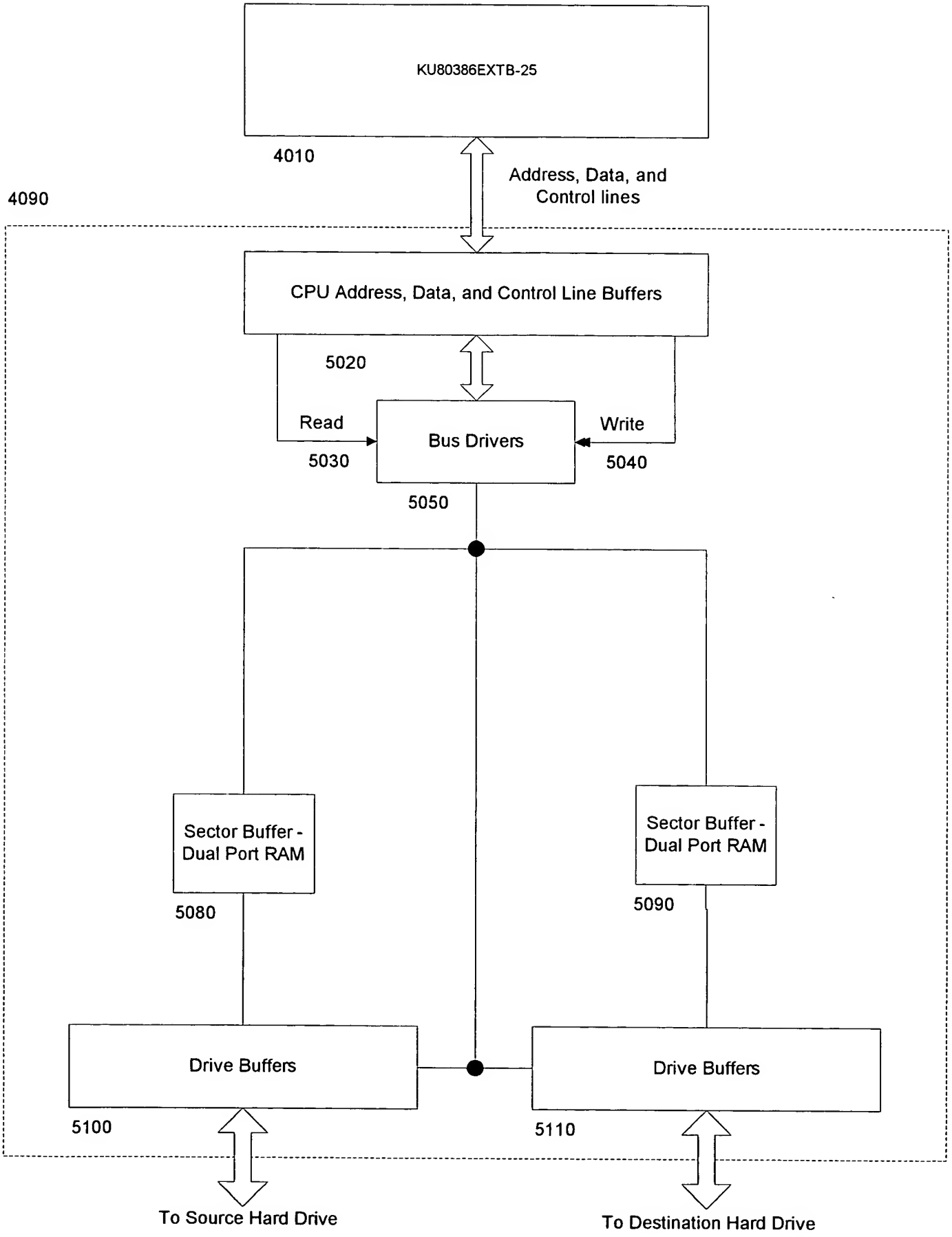

KU80386EXTB-25
4010
Address, Data, and Control lines
4090
CPU Address, Data, and Control Line Buffers
5020
Read
5030
Bus Drivers
Write
5040
5050
Sector Buffer - Dual Port RAM
5080
Sector Buffer - Dual Port RAM
5090
Drive Buffers
5100
Drive Buffers
5110
To Source Hard Drive
To Destination Hard Drive

Figure 6

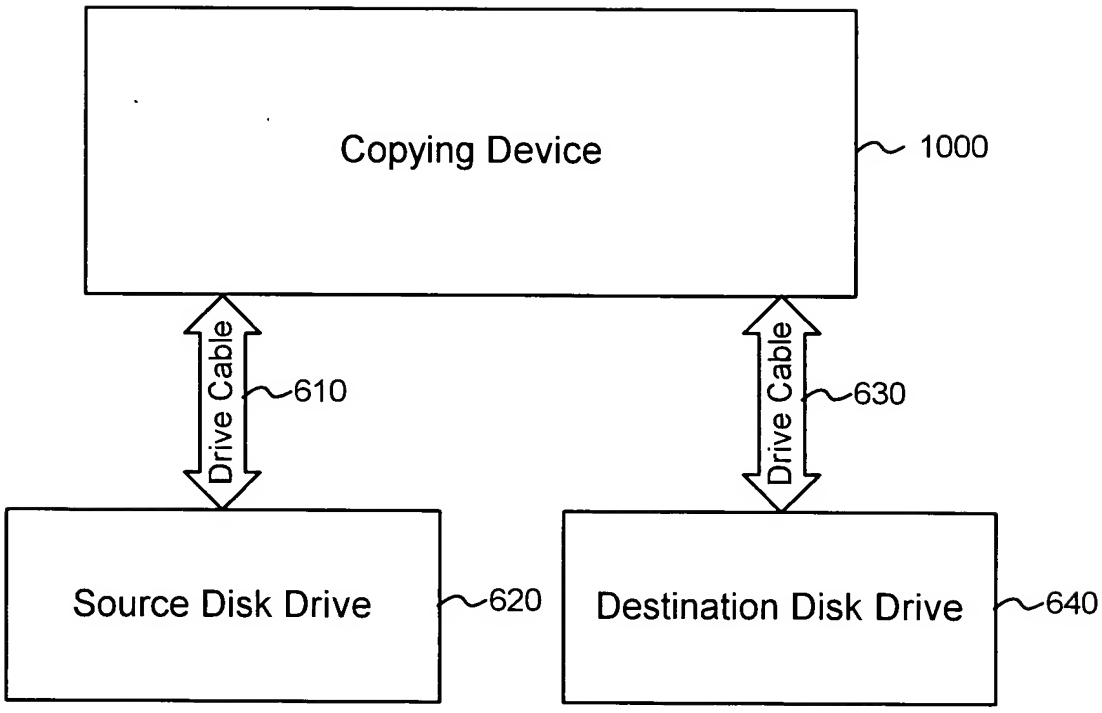
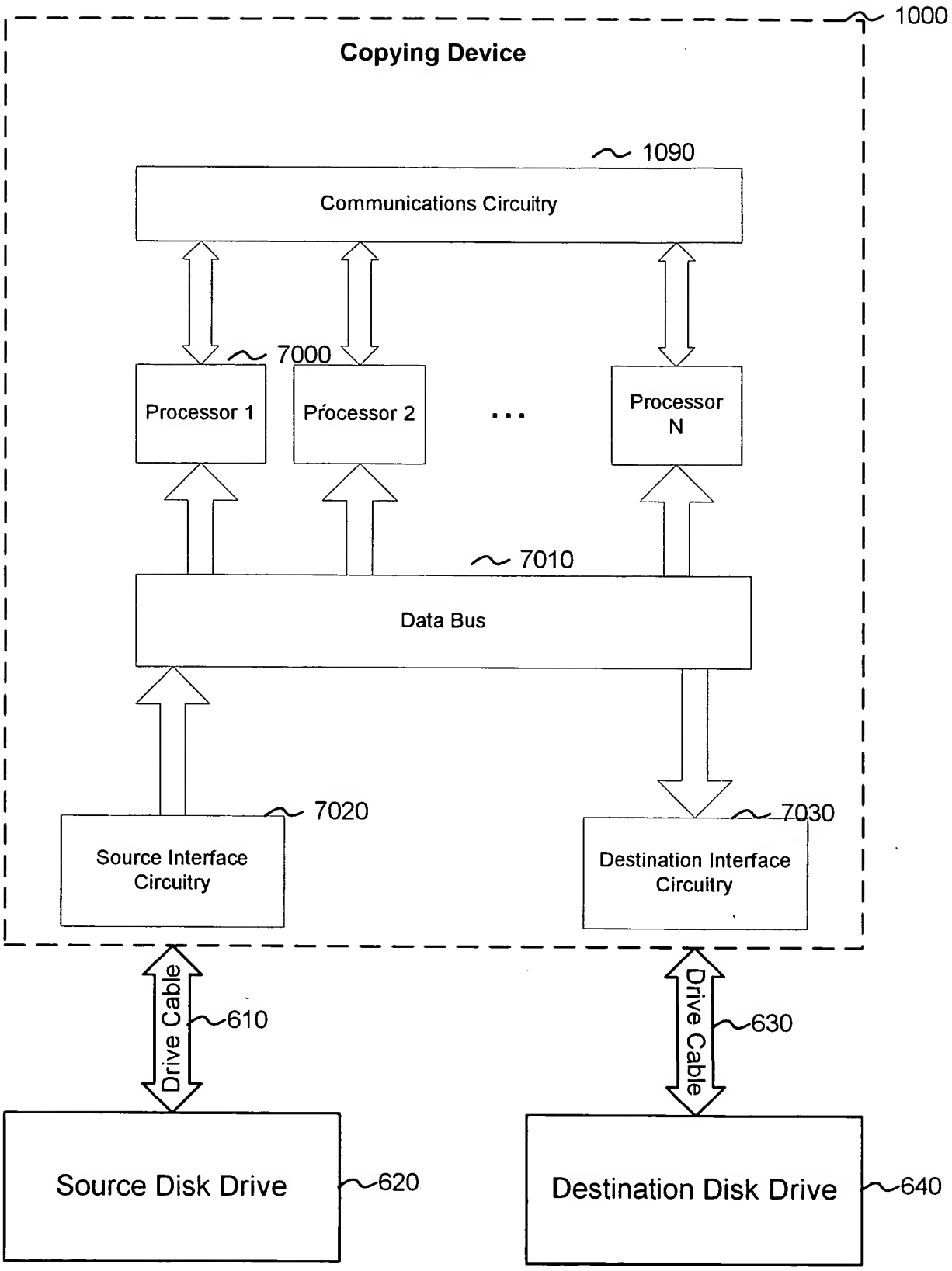

Copying Device
1000
Drive Cable
610
Drive Cable
630
Source Disk Drive
620
Destination Disk Drive
640

Figure 7


1000
Copying Device
1090
Communications Circuitry
7000
Processor 1
Processor 2
Processor N
7010
Data Bus
7020
Source Interface Circuitry
7030
Destination Interface Circuitry
Drive Cable
610
Drive Cable
630
Source Disk Drive
620
Destination Disk Drive
640